

# RED-D-ARC

OPERATION & MAINTENANCE MANUAL

**Support Roller PS-5**

**Capacity: 5000 KG**

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We hereby declare that the following product:

Description : SUPPORT ROLLER

Model : PS-5 (5000kg Capacity)

Serial No. : RDA WS 202109001/02/03/04/05/06

Satisfy the following Specific regulation:

*2006/42/EC – Machinery Directive and its amendments*

*2006/95/EC – Low Voltage Directive and its amendments*

*2004/108/EC – EMC Directive and its amendments*



# WARNING



This machine can be injurious to yourself and others. Take precautions when welding. Ask for your employer's safety practices which should be based on manufacturer's hazard data.



## ELECTRIC SHOCK can kill.

- ◆ Install and earth the welding unit in accordance with applicable standards.
- ◆ Do not touch live electrical parts or electrodes with bare skin, wet gloves or wet clothing.



## FUMES AND GASES can be dangerous to health.

- ◆ Keep your head out of the fumes.
- ◆ Use ventilation, extraction at the arc, or both, to keep fumes and gases from your breathing zone and the general area.



## ARC RAYS can injure eyes and burn skin.

- ◆ Protect your eyes and body. Use the correct welding screen and filter lens and wear protective clothing.
- ◆ Protect bystanders with suitable screens or curtains.



## NOISE can damage hearing.

- ◆ Protect your ears. Use earmuffs or other hearing protection.
- ◆ Warn bystanders of the risk.

**READ AND UNDERSTAND THE INSTRUCTION & SERVICE MANUAL BEFORE INSTALLING AND OPERATING.**

**PROTECT YOURSELF AND OTHERS!**

# INSTRUCTION MANUAL

## 1. SAFETY FUNCTIONS

Users of handling equipment have ultimate responsibility for ensuring that anyone who works with or near the equipment observes all the relevant safety precautions.

The following recommendations should be observed in addition to the standard regulations that apply to the work place.

All work must be carried out by trained personnel who are familiar with the operation of the support roller. Incorrect operation of the equipment may lead to a hazardous situation which can result in injury to the operator and damage to the equipment.

Staying under the work piece during the working cycle is absolutely forbidden! Staying on top of the work piece during the working cycle is forbidden without the safety equipment!

1. Anyone who uses the support roller must be familiar with
  - ◆ its operation
  - ◆ the location of brake
  - ◆ its function
  - ◆ relevant safety precautions

To make this easier each screw, roller wheel is marked with a symbol that indicates its function when activated.

2. The work place must
  - ◆ be suitable for the purpose
  - ◆ be free from loose objects
  - ◆ be clean, because dust and welding flux can make the frictional force of the support roller.
3. Personal safety equipment
  - ◆ always wear recommended personal safety equipment, such as safety glasses, flame-proof clothing, safety gloves
  - ◆ do not wear loose-fitting items, such as scarves, bracelets, rings etc., which could become trapped or cause burn.

**NOTE!** THE FUNCTION IS PHASE SENSITIVE!

CONDUCT DAILY INSPECT ON DEVICE BEFORE START.

WARNING INSTRUCTION ON OPERATOR' S MANUAL TO REMIND OPERATOR DURING OPERATION.

## 2. INTRODUCTION

### 2.1 General

support roller is a basic solution for support of the work pieces. They occupy little space and feature quick and easy to operate.

All models meet or exceed the EN occupational safety requirements.



1. Turning wheels
2. Lifting screw by manual
3. Traveling wheels.

### 2.2 Specification

Model		PS-5
Max capacity	kg	5000 kg
Pipe diameter	mm	250-762 mm
Rotation speed	rpm	Idler
Rotation power	kw	Idler
Input voltage	V	/

### 3. INSTALLATION

**IMPORTANT!** READ ALL RELEVANT MANUALS AND SAFETY PRECAUTIONS CAREFULLY BEFORE STARTING TO UNPACK AND INSTALL THE EQUIPMENT!

**NOTE!** MAKE SURE INSTALLATION IS CARRIED OUT BY SUITABLY TRAINED PERSONNEL.

- ◆ The support roller is shipped with fully assembled condition.
- ◆ The location for installation should be level and able to take the required loading without subsequent soil settlement.
- ◆ Recommended lifting method by 2 lifting hooks via lifting lugs provided on both sides of the support roller, use the 2 lifting lugs nearer to the table only.
- ◆ Machine is ready for power “ON” .
- ◆ Adjust the wheels position to meet the large diameter pipe.

#### 3.1 Handling and Storage of the Machine

The machines are packed on a base, suitable for lifting by crane and/or forklift. Lift the machine from the lifting points (lifting loops) only.

Unload the machine from the packing and check the outer condition. Do not store the machine outside or in damp places.

## 4. STARTING-UP INSTRUCTIONS

### 4.1 Safety Consideration

- ◆ This machine is to be operated by authorized and trained operator only.
- ◆ Do not attempt to service the machine in the event of breakdown. Contact your Service/Maintenance Department.
- ◆ Do not wear loose clothing, as there are moving parts.
- ◆ Safety practices on electrical hazards must be observed such as no wet hands, clothing and properly insulated shoe.
- ◆ Always keep a copy of the Manual in the Electrical Panel.

### 4.2 Daily Checks

- ◆ Ensure that the work piece which was in the range of tank diameter.
- ◆ Check that the traveling wheels is in good position.
- ◆ Check that roller wheels free rotation are functioning.
- ◆ Check the structure is working well and ensure the bolt no lose.

**NOTE! PLUG FITS ONLY IN ONE POSITION.**



DO NOT CONNECT THE WELDING RETURN CABLE THROUGH THE FRAME OF THE ROLLER BED - THE BEARINGS AND THE CONTROL MAY BE DAMAGED.